ABE/DSD/SGAW/199/dt 30.6.2014

Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No 1st & Final Bill — Date .....20.....

Division T. Dasarahalli — Sub-Division : T. Dasarahalli

Bill Received No. 542 Dated 30.8.14 Cash Book Voucher No..... dated .....

Scheduled Docket No. 14-15 — Job No: 014-14-000100 — Est. Cost: Rs.20.00 Lakhs

Name of Work (as per sanctioned estimate) **Improvements to Water Supply Scheme in Sidedahalli Village area in Ward No.14 of T.Dasarahalli Sub Division.**

Name of Contractor and Full Address: **Technical Manager (West) KRIDL,**

Reference Agreement : EE/DD/WO/**10**/2014-15 — Date : 05.05.2014

Certified that the measurements were taken by me on 30/6/2014 And recorded of Page 82549 to 82558 of measurement Book No 826 12/13 and that the work is satisfactorily executed.

Contractor — Officer-in-charge of work

Technical Manager (TM-2)
KRIDL, Dasarahalli Zone, Bangalore

Certified that the measurements were taken by me on 30-6-14 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಸಾರ್ವಜನಿಕ ಆರೋಗ್ಯ ಉಪವಿಭಾಗ
ಟಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಪಾಲಗುಂಟೆ, ಬೆಂಗಳೂರು-560 073

1)	Total value of work done or supplies made as per account within	Bill Amount - 1943613=00
2)	Deduct amount to be held in reserve being ..... Percent Rs.....	IT - 38872=00
3)	" Balance	VAT - 77745=00
4)	Deduct Payments:	ESD - 97181=00
	a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No..... Amount adjusted towards cash advance recovery of	LWC - 19436=00
	b) Payments cost store or other materials supplied. Now made recovery of amount creditable to this/other work	CDF - 19444=00
	Amount paid on this bill Cheque/Cash	(-) 235178=00
5)	Balance being unpaid value of work done held in reserve	
6)	Deduct cash advance made on the Office Cash Book Voucher No..... dated ..... Less adjustments	
7)	Net amount due to or from contractor	
	Unadjusted items	
8)	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied	Net - 1708435=00

Contractor's Signature

Received Rs.....
(in words)
.....
by Cash and by adjustment of Payment as per memorandum.

Witnesses :
1.
2.

Audited and ad... 1943613=
Passed ... 1708435=
(For use in the Office)
by adj. 235178=00

Dated ..... Signature of Contractor

Stamp

Paid by me by cheque No..... Dated .....
Cash Rs..... Dated .....

Accounts Supdt.
Exe. Engineer

	PART - A
1	Repairs to motor: Rewinding of submersible pumpsets with copper insulation wire of suitable guage specification with guarantee of 6 months.
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
	Replacement of pump parts the following main componetns of submersible pumpets requirement replacem
2	Pump bowls
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
3	Intermediate piece (I.P.) with leaded bronze bush type.
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
4	Oil Seal
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
5	Oil Seal steel bush
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
6	Guide vane
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP

	Unit	Previous Mesurements		Present Measurements			Total up-to- date		
		Qty.	Cost	Qty.	Rate Rs. Ps	Cost	Qty.	Cost	Remarks
as per ISI									
	No	—	—	4·00	3822·50	15290·00	4·00	15290·00	
	No	—	—	4·00	4785·00	19140·00	4·00	19140·00	
	No	—	—	16	5855·00	93680·00	16	93680·00	
nt.									
7·5 HP	No	—	—	30	308·00	9240·00	30	9240·00	
10 HP	No	—	—	60	308·00	18480·00	60	18480·00	
12·50 HP	No	—	—	80	308·00	24640·00	80	24640·00	
	No	—	—	—	—	—	—	—	
	No	—	—	—	—	—	—	—	
	No	—	—	4·00	715·00	2860·00	4·00	2860·00	
	No	—	—	—	—	—	—	—	
	No	—	—	—	—	—	—	—	
	No		—	—	—	—	—	—	
	No	—	—	—	—	—	—	—	
	No	—	—	6	121·00	726·00	6·00	726·00	
	No	—	—	16	121·00	1936·00	16·00	1936·00	
	No	—							
	No			—	—	—	—	—	
	No			2	132·00	264·00	2	264·00	
	No			18	132·00	2376·00	18	2376·00	
	No								
	No			—	—	—	—	—	
	No			80	1925·00	154000·00	80·00	154000·00	
	No			30	1925·00	57750·00	20·00	57750·00	

7	Impeller (shell moulded with aluminium and bronze)
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
8	Discharge outlet (D.O.) bearing D.O. Steel bush.
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
9	D.O. Bearing
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
10	Steel Bush (D.O. Steel Bush)
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
11	Allen Screw
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
12	Pump shaft made out of staknless steel center less ground with key way (upto 8 stages)
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
13	Pump Key
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP

	Unit	Previous Mesurements		Present Measurements			Total up-to- date		
		Qty.	Cost	Qty.	Rate Rs. Ps	Cost	Qty.	Cost	Remarks
	No								
	No	—	—	—	—	—	—	—	
	No			40	264.00	10560.00	40.00	10560.00	
	No			60	264.00	15840.00	60.00	15840.00	
	No								
	No	—	—	—	—	—	—	—	
	No			4	522.50	2090.00	4.00	2090.00	
	No			16	522.50	8360.00	16	8360.00	
	No								
	No			—	—	—	—	—	
	No			12	93.50	1122.00	12.00	1122.00	
	No			50	93.50	4675.00	50.00	4675.00	
	No								
	No			-	—	—	—	—	
	No			12	176.00	2112.00	12.00	2112.00	
	No			60	176.00	10560.00	60.00	10560.00	
	No								
	No			—	—	—	—	—	
	No			12.00	77.00	924.00	12.00	924.00	
	No			20.00	77.00	1540.00	20.00	1540.00	
	No								
	No			—	-	—	—	—	
	No			4.00	660.00	2640.00	4.00	2640.00	
	No			18.00	660.00	11880.00	18.00	11880.00	
	No								
	No			—	—	—	—	—	
	No			4	121.00	484.00	4.00	484.00	
	No			54	121.00	6534.00	54.00	6534.00	

14	Pump coup0ling (stainless steel)
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
15	Non Return valve assembly complete rubber 'O' ring
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
16	Cable guard
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
17	Stainer
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
18	Brass filter
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
19	Labour charges (over hauling only)
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
20	Above 4 HP below 5 HP Stator (with one year Guarantee)
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP

	Unit	Previous Mesurements		Present Measurements			Total up-to- date		
		Qty.	Cost	Qty.	Rate Rs. Ps	Cost	Qty.	Cost	Remarks
	No								
	No			—	—	—	—	—	
	No			4.00	341.00	1364.00	4.00	1364.00	
	No			18.00	341.00	6138.00	18.00	6138.00	
	No								
	No			—	—	—	—	—	
	No			5.00	572.00	2860.00	5.00	2860.00	
	No			20.00	572.00	11440.00	20.00	11440.00	
	No								
	No			—	—	—	—	—	
	No			8.00	165.00	1320.00	8.00	1320.00	
	No			40.00	165.00	6600.00	40.00	6600.00	
	No								
	No			—	—	—	—	—	
	No			5.00	192.50	962.50	5.00	962.50	
	No			26.00	192.50	2005.00	26.00	2005.00	
	No								
	No			—	—	—	—	—	
	No			5.00	121.00	605.00	5.00	605.00	
	No			20.00	121.00	2420.00	20.00	2420.00	
	No								
	No			—	—	—	—	—	
	No			5.00	550.00	2750.00	5.00	2750.00	
	No			22.00	550.00	12100.00	22.00	12100.00	
	No								
	No			—	—	—	—	—	
	No			5.00	594.00	2970.00	5.00	2970.00	
	No			20.00	594.00	11880.00	20.00	11880.00	

21	Above 4 HP below 5 HP Rotor (with one year Guarantee)
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
22	Upper flange
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
23	Lower Housing
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
24	Lower flant
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
25	Lock ring
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
26	Carbon Housing
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
27	Thrust bearing block assembly with segment bearing pad
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP

	Unit	Previous Mesurements		Present Measurements			Total up-to- date		
		Qty.	Cost	Qty.	Rate Rs. Ps	Cost	Qty.	Cost	Remarks
	No								
	No		—	—	—	—	—	—	
	No			5 nos	4400 rs	22000 rs	5 nos	22000 rs	
	No			22 rs	4400 rs	96800 rs	22 rs	96800 rs	
	No								
	No			—	—	—	—	—	
	No			5 rs	330 rs	1650 rs	5 rs	1650 rs	
	No			21 rs	330 rs	6930 rs	21	6930 rs	
	No								
	No			—	—	—	—	—	
	No			5	539 rs	2695.00 5695 rs	5	5695 rs	2695.00
	No			22	539 rs	11858 rs	22	11858 rs	
	No								
	No			—	—	—	—	—	
	No			10	407 rs	4070 rs	10 rs	4070 rs	
	No			10	407 rs	4070 rs	10 rs	4070 rs	
	No								
	No			—	—	—	—	—	
	No			8	88 rs	704 rs	8	704 rs	
	No			40	88 rs	3520 rs	40	3520 rs	
	No								
	No			—	—	—	—	—	
	No			4	407 rs	1628 rs	4	1628 rs	
	No			20	407 rs	8140 rs	20	8140 rs	
	No								
	No			—	—	—	—	—	
	No			4	550 rs	2200 rs	4 rs	2200	
	No			20	550 rs	11600 rs 11000 rs	20 rs	11600 rs	11,000

28	Tip carbon
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
29	Studs and nuts
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
30	Bearing (gunmetal) centrifugal cast aluminium bronze, bearing bush.
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
31	Circlips
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
32	Motor base with pin
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
33	Labour charges (over hauling of motor only)
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
34	Transportation of pumping machineries
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP

	Unit	Previous Mesurements		Present Measurements			Total up-to- date		
		Qty.	Cost	Qty.	Rate Rs. Ps	Cost	Qty.	Cost	Remarks
	No			—	—	—	—	—	
	No	10-no HP		4	1760-00	7040-00	4-00	7040-00	
	No	1250 HP		20	1760-00	35200-00	20	35200-00	
	No								
	No								
	No								
	No		—	—	—	—	—	—	
	No			60	88-00	5280-00	60-00	5280	
	No			300	88-00	26400-00	300	26400	
	No								
	No			—	—	—	—	—	
	No			16	407-00	6512-00	16	6512-00	
	No			80	407-00	32560-00	80	32560-00	
	No								
	No			—	—	—	—	—	
	No			8	4950	396-00	8-00	396-00	
	No			40	4950	1980-00	40-00	1980-00	
	No								
	No			—	—	—	—	—	
	No			4-00	407-00	1628-00	4	1628	
	No			20-00	407-00	8140-00	20	8140	
	No								
	No			—	—	—	—	—	
	No			4	550-00 550.00	2200	4	2200	
	No			24	550-00 550.00	13200	24	13200	
	No								
	No			—	—	—	—	—	
	No			4	605-00	2420-00	4	2420-00	
	No			24	605-00	14520-00	24	14520-00	

35	Lifting of submersible pumpset.
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
36	Re-erection charges of pumping machineries.
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
37	Supplying and fixing, wiring 0 to 30 Volts direct reading DC Voltmeter and Ammeter.
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
38	Supply & fixing and wiring 3 digital voltmeter & ammeter.
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
39	Supply & fixing single phase preventor using necessary wires over an existing panel boards suitable 20HP capacity
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
40	Supplying & fixing 4 poles connector with non AC Contact & existing on panel boards using necessa washer etc
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
41	Supplying & fixing fuse channel with cutout on existing wooden panel using necessary nuts, bolt, washe
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP

	Unit	Previous Mesurements		Present Measurements			Total up-to- date		
		Qty.	Cost	Qty.	Rate Rs. Ps	Cost	Qty.	Cost	Remarks
	No								
	No		—	—	—	—	—	—	
	No			4	770.00	3080.00	4	3080.00	
	No			4	770.00	3080.00	4	3080.00	
	No								
	No			—	—	—	—	—	
	No			4	1100.00	4400.00	4	4400.00	
	No			6	1100.00	6600.00	6	6600.00	
	No			—	—	—	—	—	
	No			—	—	—	—	—	
	No			4	655.00	2620.00	4	2620.00	
	No			2	650.00	1365.00	2	1365.00	
	No								
	No			—	—	—	—	—	
	No			—	—	—	—	—	
	No								
motor upto	No								
	No			—	—	—	—	—	
	No			—	—	—	—	—	
	No			—	—	—	—	—	
olt and nut	No								
	No			—	—	—	—	—	
	No			—	—	—	—	—	
	No			—	—	—	—	—	
"	No								
	No			—	—	—	—	—	
	No			—	—	—	—	—	

42	Supplying & fixing and wiring 0 to 600 volts 96 x 96 AC voltmeter and existing panel wood board
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
43	Supplying & fixing minature circuits breakers on existing MCB distribution board using necessary fixing C type indicator on/off energy cross 3 with shore circuit breaking capacity of 10K and complete wiring as
	a) 7.50 HP
	b) 10 HP
	c) 12.5 HP
	Part B
1	Supplying of 150mm dia pump set conforming to IS 8034:1989 and i.e., 9283/1995 with latest amendment equivalent brand with specified duty conditions and accessories 8034/2002 (control panel board indoor type unit 10 HP to 20HP
2	Supplying & fixing miniature circuit breakers on existing MCB Distribution boards using necessary fixing materi curve indiator ON/ OFF energy cross 3 with short circuit breaking capacity of 10K and complete wiring as required.
3	Fabricating, supplying and **mounting MS box** made out of 18 SWG suitable for floor / wall mounting, fully wea double slanted top as per drawing with provision for better heat dissipation provided with hinged front cover equipp proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc box of 21600 sc
4	Supply and drawing **3 core flat PVC** sheathed submersible pump cable manufactured with electrolytic grade copp copper conductor confirming to table 3 class 5 of IS 8130-1984 and Virgin grade PVC insulation and sheath working voltage upto 1100 volts.
5	Supplying and **LTUG cable** having aluminium conductor PVC insulated sheathed, galvanized steel wire/steel tap a with PVC outer heating 1.1 KV
6	Digging of trench of 0.6m deep x 0.50mtr. wide refilling the trench to the required ground level and consolidating etc
7	Labour charges for laying 1.1 KV class UG Czable in existing trenchGI pipe / stone ware pipe / on wlal / on pole as
8	Supplying of 150mm dia pump set conforming to IS 8034:1989 and i.e., 9283/1995 with latest amendment equivalent brand with specified duty conditions and accessories 8034/2002 10 HP to 20HP
a	12.5HP / 20 Stage
b	15.00HP / 25 Stage
9	Supply ISI marked galvanized mild steel tube (continuously welded) electric resistence welded (ERW) High frequ welded (HFIW) Hot finished welded type of nominal bore given below, screwed to both ends as per IS 554/1 amendements, pipes treated at both end and the other protected as per specification in random lengths of 4 to 7 m to IS 1239 part I/1990 with amendements 1-5 and with all its latest amendements if any. The pipes supplied sho mark galvanized iron pipes ISI 239 Part-1, 1990.

	Unit	Previous Mesurements		Present Measurements			Total up-to- date		
		Qty.	Cost	Qty.	Rate Rs. Ps	Cost	Qty.	Cost	Remarks
	No								
	No			—	—	—	—	—	
	No			—	—	—	—	—	
	No			—	—	—	—	—	
terials and uired.	No								
	No			—	—	—	—	—	
	No			—	—	—	—	—	
	No			—	—	—	—	—	
xmo, taroo 5124 above	No	—	—	3	10000-00	30000-00	3-00	30000-00	
and C type Amps	No	—	—	20	1005-00	20100-00	20	20100-00	
r proof with with tamper nished with @ Rs.0.33	Sqcm	—	—	246500-00	0-37	91205-00	246500-00	91205-00	
with flexible suitable for	Rmtr	—	—	2000-00	159-50	319000-00	2000-00	319000-00	
oured cable	Rmtr	—	—	200-00	2365°	47300-00	200-00	47300-00	
omplete	Rmtr	—	—	150-00	80-00	12000-00	150-00	12000-00	
uired.	Rmtr			150-00	8-00	1600-00 1200-00	150-00	1600-00	1200
xmo, taroo									
	No	—	—	3-00	37000-00	111000-00	3-00	111000-00	
	No	—	—	1-00	43000-00	43000-00	1-00	43000-00	
cy induction with latest conforming be with BIS	Rmtr	—	—	300-00	374-00	112200-00	300-00	112200-00	

10	Supply ISI marked GI and GM specials conforming to IS and with all its latest amendements if any.
a	50mm dia GI Elbow
b	50mm dia. GI Union
c	50mm dia GI collar
d	160mm borewell cap with clamp set
e	50mm gun metal non return valve
11	Gate valve 50mm nominal bore gun metal
12	Gate valve 65mm nominal bore gun metal
13	Gate valve 80mm nominal bore gun metal
14	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits 1.5m. in and above in width, in **hard soil** not exceeding 1.5 m. in depth including dressing in bottom and sid trenches, stacking the excavated soil clear from edges of excavation with lead up to 50m. after breaking of clods c specifications
15	Providing and isntalling at site of work PVC pipes including cost of pipes and specials and labour, including lowering laying true to line, level and perfect linking at joints, leak proof including jointing of approved type with all labour a handling charges with an initial lead of 5kms including encasing the pipe all round to a depth not less than 15cms selected earth available from the excavation etc
	63mm PVC Pipe
	70mm PVC Pipe
	90mmPVC Pipe
16	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting layer by ramming after watering with lead upto 50m. and lift upto 1.5m including cost of all labour complete as pe allow 60% of rate considered under item KSRB 2.3

CERTIFICATE

1) Certified that the contractor has work done satisfactorily.
2) The contractor has removed the debris from work site.
3) There is no dept. material issued to the contractor

	Unit	Previous Mesurements		Present Measurements			Total up-to- date		
		Qty.	Cost	Qty.	Rate Rs. Ps	Cost	Qty.	Cost	Remarks
	NO	—	—	30	123	3690	30	2690	
	No	—	—	15	248	3720	15	3720	
	No	—	—	120	128	15360	120	15362	15360
	No	—	—	5	740	3700	5	3700	
	No	—	—	5	1645	8225	5	8225	
	No	—	—	—	—	—	—	—	
	No	—	—	22	1200	26400	12	26400	
	No	—	—	25	1500	37500	25	37500	
	No	—	—	14	1800	25200	14	25200	
in trenches of pits and plete as per	Cum	—	—	—	—	—	—	—	
to trenches, lift charges, th gravel or		—	—	—	—	—	—	—	
	Mtr	—	—	—	—	—	—	—	
	Mtr	—	—	—	—	—	—	—	
	Mtr	—	—	—	—	—	—	—	
h deposited pecifications	Cum	—	—	—	—	—	—	—	
			Total			1738453=00		1766921=00	
		Add 12+				29468=00		176692=00	
						1969590=00		1943613=00	

Deputy Executive Engineer Sixty Mile Canal Division Under Secretary